

Dy Director (Works)

Test Performed By: Dr. /Engr. Wasim Abbas

PD Of The Scheme O/O MLWC Punjab Lhr.(Const Of 06 Residences At MLWC, Choa Saiden Shah)

Client Reference: MLW/C.E/MT/50/17/8897

SOM Lab 620 (Page-
Ref: 1/1)

Dated: 30-06-2022

Dated: 06-07-2022

Test: Tension Test & Bend Test

Test Specification: ASTM-A-615

Gauge Length: 8 inch

Sample Type: Deformed Bar

S.No.	Weight	Dia.		Area		Yield Load	Ultimate Load	Yield Stress		Ult. Stress		Elongation	Gauge Length	%age Elongation	Remarks
		Nominal	Calculated	Nominal	Calculated			(according to nominal area)	(according to measured area)	(according to nominal area)	(according to measured area)				
	lb/ft	#	in	in ²	in ²	Tons	Tons	psi	psi	psi	psi	in	in	%	
1	0.608	4	0.477	0.20	0.179	4.66	7.41	51370	57400	81720	91310	1.20	8.0	15.0	
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BEND TEST:

# 4	Sample bend through 180 degrees Satisfactorily without any crack	Note:- Only Two Samples Received and Tested

Note: Please always confirm the results of above report on web www.uet-civil.edu.pk

Nasir Nadeem

Test Performed By:

Dr. /Engr.

Wasim Abbas

HOD Design & Const. Deptt-HO City School (Pvt)Ltd.(Project-Bahria Campus Lhr Ph-II)

Client Reference: TCS/D&C/HO/001/2025

SOM Lab

621 (Page-

Ref:

1/1)

Dated: 04-07-2022

Dated:

06-07-2022

Test: Tension Test & Bend Test

Test Specification:

ASTM-A-615

Gauge Length: 8 inch

Sample Type:

Deformed Bar

S.No.	Weight	Dia.		Area		Yield Load	Ultimate Load	Yield Stress		Ult. Stress		Elongation	Gauge Length	%age Elongation	Remarks
		Nominal	Calculated	Nominal	Calculated			(according to nominal area)	(according to measured area)	(according to nominal area)	(according to measured area)				
	lb/ft	#	in	in ²	in ²	Tons	Tons	psi	psi	psi	psi	in	in	%	
1	2.678	8	1.001	0.79	0.787	26.25	34.81	73280	73560	97190	97560	1.20	8.0	15.0	
2	2.675	8	1.000	0.79	0.786	28.36	38.14	79170	79570	106490	107030	1.30	8.0	16.3	
3	1.493	6	0.748	0.44	0.439	17.09	21.22	85690	85880	106380	106620	1.10	8.0	13.8	
4	1.477	6	0.743	0.44	0.434	15.92	20.39	79810	80920	102190	103600	1.00	8.0	12.5	
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BEND TEST:

# 8	Sample bend through 180 degrees Satisfactorily without any crack	Note:- Only Six Samples Received and Tested
# 6	Sample bend through 180 degrees Satisfactorily without any crack	

Note: Please always confirm the results of above report on web www.uet-civil.edu.pk

Engr. Mustafa Ali

Test Performed By: Dr. /Engr. Wasim Abbas

Sr. MC Dream Builders.(Const.Of Apartments Building At 32-P Model Town Ext,Lahore)

Client Reference: DB/CONST-32P/22/706

SOM Lab 622 (Page-1/1)

Dated: 06-07-2022

Dated: 06-07-2022

Test: Tension Test & Bend Test

Test Specification: ASTM-A-615

Gauge Length: 8 inch

Sample Type: Deformed Bar

S.No.	Weight	Dia.		Area		Yield Load	Ultimate Load	Yield Stress		Ult. Stress		Elongation	Gauge Length	%age Elongation	Remarks
		Nominal	Calculated	Nominal	Calculated			(according to nominal area)	(according to measured area)	(according to nominal area)	(according to measured area)				
	lb/ft	#	in	in ²	in ²	Tons	Tons	psi	psi	psi	psi	in	in	%	
1	1.487	6	0.746	0.44	0.437	15.41	19.72	77260	77790	98870	99550	1.00	8.0	12.5	
2	1.485	6	0.745	0.44	0.436	16.94	20.92	84920	85700	104850	105810	1.00	8.0	12.5	
3	0.662	4	0.498	0.20	0.195	6.49	9.43	71610	73440	103980	106650	1.20	8.0	15.0	
4	0.654	4	0.494	0.20	0.192	5.98	9.38	65990	68740	103420	107730	1.20	8.0	15.0	
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BEND TEST:

# 6	Sample bend through 180 degrees Satisfactorily without any crack	Note:- Only Six Samples Received and Tested
# 4	Sample bend through 180 degrees Satisfactorily without any crack	

Note: Please always confirm the results of above report on web www.uet-civil.edu.pk

Sajid Hussain Sadiq,
Site Engr.Sitara Heights.(Project "Sitara 3 Jays Tower Firdous Market Lahore)

Test Performed By: Dr. /Engr. Asad Ali Gillani

Client Reference: SHPL/3JAYS/LHR/10

SOM Lab Ref: 624 (Page-1/1)

Dated: 06-07-2022

Dated: 06-07-2022

Test: Tension Test & Bend Test

Test Specification: ASTM-A-615

Gauge Length: 8 inch

Sample Type: Deformed Bar

S.No.	Weight	Dia.		Area		Yield Load	Ultimate Load	Yield Stress		Ult. Stress		Elongation	Gauge Length	%age Elongation	Remarks
		Nominal	Calculated	Nominal	Calculated			(according to nominal area)	(according to measured area)	(according to nominal area)	(according to measured area)				
	lb/ft	#	in	in ²	in ²	Tons	Tons	psi	psi	psi	psi	in	in	%	
1	2.644	8	0.995	0.79	0.777	22.70	37.18	63380	64440	103790	105520	1.20	8.0	15.0	
2	2.634	8	0.993	0.79	0.774	22.09	36.51	61670	62950	101940	104040	1.10	8.0	13.8	
3	1.429	6	0.731	0.44	0.420	12.23	18.32	61320	64240	91820	96190	1.20	8.0	15.0	
4	1.416	6	0.728	0.44	0.416	12.66	18.47	63460	67120	92590	97930	1.00	8.0	12.5	
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BEND TEST:

# 8	Sample bend through 180 degrees Satisfactorily without any crack	Note:- Only Six Samples Received and Tested
# 6	Sample bend through 180 degrees Satisfactorily without any crack	

Note: Please always confirm the results of above report on web www.uet-civil.edu.pk

Muhammad Fayyaz Rasul,
 Site Engr.Sitara Heights.(Project "Sitara Serene Tower" 62D, Gulberg 3 Lahore)

Test Performed By: Dr. /Engr. Asad Ali Gillani

Client Reference: SHPL/3JAYS/LHR/11

SOM Lab Ref: 625 (Page-1/1)

Dated: 06-07-2022

Dated: 06-07-2022

Test: Tension Test & Bend Test

Test Specification: ASTM-A-615

Gauge Length: 8 inch

Sample Type: Deformed Bar

S.No.	Weight	Dia.		Area		Yield Load	Ultimate Load	Yield Stress		Ult. Stress		Elongation	Gauge Length	%age Elongation	Remarks
		Nominal	Calculated	Nominal	Calculated			(according to nominal area)	(according to measured area)	(according to nominal area)	(according to measured area)				
	lb/ft	#	in	in ²	in ²	Tons	Tons	psi	psi	psi	psi	in	in	%	
1	2.563	8	0.979	0.79	0.753	21.05	33.94	58770	61660	94770	99420	1.00	8.0	12.5	
2	2.594	8	0.985	0.79	0.762	23.85	37.74	66590	69040	105350	109220	1.10	8.0	13.8	
3	1.480	6	0.744	0.44	0.435	12.79	20.03	64130	64860	100400	101560	1.00	8.0	12.5	
4	1.469	6	0.742	0.44	0.432	12.61	20.00	63210	64380	100250	102110	1.20	8.0	15.0	
5	0.674	4	0.502	0.20	0.198	5.52	9.14	60930	61540	100830	101850	1.00	8.0	12.5	
6	0.655	4	0.494	0.20	0.192	5.78	9.28	63740	66390	102290	106560	1.10	8.0	13.8	
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BEND TEST:

# 8	Sample bend through 180 degrees Satisfactorily without any crack	Note:- Only Nine Samples Received and Tested
# 6	Sample bend through 180 degrees Satisfactorily without any crack	
# 4	Sample bend through 180 degrees Satisfactorily without any crack	

Note: Please always confirm the results of above report on web www.uet-civil.edu.pk

Akbar Ali

Test Performed By:

Dr. /Engr.

Wasim Abbas

Admin Manager Banu Mukhtar Contracting(Pvt.) Ltd.(Burj-1 By AJWA Builders)

Client Reference: DOC-BMC/AJWA/002

SOM Lab

626 (Page-

Ref:

1/1)

Dated: 05-07-2022

Dated:

06-07-2022

Test: Tension Test & Bend Test

Test Specification:

ASTM-A-615

Gauge Length: 8 inch

Sample Type:

Deformed Bar

S.No.	Weight	Dia.		Area		Yield Load	Ultimate Load	Yield Stress		Ult. Stress		Elongation	Gauge Length	%age Elongation	Remarks
		Nominal	Calculated	Nominal	Calculated			(according to nominal area)	(according to measured area)	(according to nominal area)	(according to measured area)				
	lb/ft	#	in	in ²	in ²	Tons	Tons	psi	psi	psi	psi	in	in	%	
1	2.662	8	0.998	0.79	0.782	25.54	34.05	71290	72020	95050	96020	1.80	8.0	22.5	
2	1.512	6	0.752	0.44	0.444	13.25	18.67	66430	65830	93610	92760	1.60	8.0	20.0	
3	0.654	4	0.494	0.20	0.192	6.03	8.66	66550	69320	95550	99530	1.40	8.0	17.5	
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BEND TEST:

8 Sample bend through 180 degrees Satisfactorily without any crack

6 Sample bend through 180 degrees Satisfactorily without any crack

4 Sample bend through 180 degrees Satisfactorily without any crack

Note:-Only Six Samples
Received and TestedNote: Please always confirm the results of above report on web www.uet-civil.edu.pk

Tahir Mehmood

Test Performed By: Dr. /Engr. Asad Ali Gillani

Chief Engr. Zaitoon, New Lahore City. (Const Of 09 Houses 71,73,74,75,77,78,80,81&82 Zaitoon City)

Client Reference: ZC/CE/05

SOM Lab 627 (Page-
Ref: 1/1)

Dated: 06-07-2022

Dated: 06-07-2022

Test: Tension Test & Bend Test

Test Specification: ASTM-A-615

Gauge Length: 8 inch

Sample Type: Deformed Bar (FF Steel)

S.No.	Weight	Dia.		Area		Yield Load	Ultimate Load	Yield Stress		Ult. Stress		Elongation	Gauge Length	%age Elongation	Remarks
		Nominal	Calculated	Nominal	Calculated			(according to nominal area)	(according to measured area)	(according to nominal area)	(according to measured area)				
	lb/ft	#	in	in ²	in ²	Tons	Tons	psi	psi	psi	psi	in	in	%	
1	1.447	6	0.736	0.44	0.425	12.33	17.53	61830	64010	87880	90990	1.10	8.0	13.8	
2	1.513	6	0.753	0.44	0.445	14.53	20.85	72810	71990	104490	103320	1.00	8.0	12.5	
3	0.677	4	0.503	0.20	0.199	6.52	8.58	71940	72310	94650	95130	1.40	8.0	17.5	
4	0.672	4	0.501	0.20	0.197	6.47	8.61	71380	72470	94990	96430	1.30	8.0	16.3	
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BEND TEST:

# 6	Sample bend through 180 degrees Satisfactorily without any crack	Note:- Only Six Samples Received and Tested
# 4	Sample bend through 180 degrees Satisfactorily without any crack	

Note: Please always confirm the results of above report on web www.uet-civil.edu.pk

Test Performed by: Dr.Syed Asad Ali Gillani

Anjum Choudhry
Production Manager, Izhar Concrete (Pvt) Ltd.
Lahore.

Client Reference No.: Nil

Dated: 06-07-2022

SOM Lab Ref: CED/SOM/623 (Page 1/2)

Dated: 06-07-2022

Test Type: Tensile Test

Sample Type: P.C.Wire (H.T.Wire)

Source: MWI

Tensile Test Results

Sample No.	Diameter (mm)		Area (mm ²)	Ultimate Load (kN)	Ultimate Tensile Strength (MPa)	% age Elongation
	Nominal	Calculated				
1	3 ^{1/2}	3.57	10.00	16.20	1620	5.0
2	3 ^{1/2}	3.50	9.63	16.20	1684	5.0
3	4	3.98	12.46	22.50	1806	2.5
4	4	4.01	13.00	22.70	1802	5.0
5	5	4.97	19.00	35.00	1806	5.0
6	5	5.00	20.00	35.00	1786	5.0

Note: Please always confirm the results on web www.uet-civil.edu.pk

Test Performed by: Dr.Syed Asad Ali Gillani

Anjum Choudhry
Production Manager, Izhar Concrete (Pvt) Ltd.
Lahore.

Client Reference No.: Nil

Dated: 06-07-2022

SOM Lab Ref: CED/SOM/623 (Page 2/2)

Dated: 06-07-2022

Test Type: Tensile Test

Sample Type: P.C.Wire (H.T.Wire)

Source: WMI

Tensile Test Results

Sample No.	Diameter (mm)		Area (mm ²)	Ultimate Load (kN)	Ultimate Tensile Strength (MPa)	% age Elongation
	Nominal	Calculated				
1	3 ^{1/2}	3.57	10.00	18.20	1820	7.5
2	3 ^{1/2}	3.50	9.61	18.20	1895	5.0
3	4	4.03	12.74	24.60	1932	5.0
4	4	4.03	13.00	24.70	1939	2.5
5	5	5.00	20.00	36.50	1859	7.5
6	5	5.03	20.00	36.20	1826	5.0

Note: Please always confirm the results on web www.uet-civil.edu.pk